

Algebra II Class work 5-6  
Topic: Radical Expressions

Name: \_\_\_\_\_  
Date: \_\_\_\_\_ PD \_\_\_\_\_

Simplify

1.  $3xy\sqrt{2x}$

2.  $4\sqrt{7} - 2\sqrt{2} - 11x$

3.  $3x\sqrt{5x}$

4.  $5\sqrt[3]{2} - 3\sqrt{3}$

5.  $5x^2\sqrt{6}$

6.  $3a^2\sqrt{b}$

7.  $\frac{-16\sqrt{2}}{9}$

8.  $3\sqrt{2} + 3$

9. 78

10.  $3x + 6\sqrt{3x} + 9$

11.  $\frac{2\sqrt{6a}}{3a}$

12.  $\frac{3\sqrt[3]{x}}{x}$

13.  $\frac{5x^2\sqrt{6y}}{3y}$

14.  $\frac{\sqrt{ab}}{2b^2}$

15.  $\frac{\sqrt[4]{4}}{2}$

16.  $\frac{\sqrt{21x}}{7}$